

ABSTRACT

An asymmetric slotted L-shaped antenna is provided with a wide bandwidth in an exceedingly small size with good gain across the entire bandwidth by shorting out one end of the slot and by providing a capacitor at the other end of the slot, with the result that with appropriate capacitance, spacings and dimensions, the impedance of the slotted transmission line cancels the reactance of the antenna such that the gain of the antenna can be made to match a similar sized meander line loaded antenna.